

Converting Colors

XYZ(79.7299, 82.3836, 63.9093)

Have a look what the booklet for
XYZ(79.7299, 82.3836, 63.9093)
contains.

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Color

**XYZ(79.7797, 82.3974,
63.9240)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7C4
RGB	255, 231, 196
RGB Percent	100%, 91%, 77%
CMY	0.0000, 0.0941, 0.2314
CMYK	0.00, 0.09, 0.23, 0.00
HSL	36°, 100%, 88%
HSV	36°, 23%, 100%
XYZ	79.7797, 82.3974, 63.9240
YIQ	234.1860, 25.5390, -5.7970

Conversions

Conversions Part 2

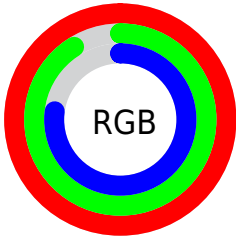
Format	Color
R_{YB}	236, 255, 196
Decimal	16771012
CIE _{Lab}	92.75, 2.90, 20.03
CIE _{LCh}	93, 20.241, 81.758
Yxy	82.3974, 0.3528, 0.3644
Android (android.graphics.Color)	4294961092 (0xFFFFE7C4)
YUV	234.1860, -18.8257, 18.2539
Hunter-Lab	90.7730, -1.9705, 21.7880

Details

The XYZ color **79.7797, 82.3974, 63.9240** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.4074, 70.1400, 104.6461**, and the grayscale version is **78.4740, 82.5607, 89.9086**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **43.6965, 45.0094, 31.9758** is the 20% darker color. If you saturate the color by 10%, you get **74.3037, 75.7022, 48.9754**, and if you desaturate by 10%, it is **85.9251, 89.6412, 81.5315**.

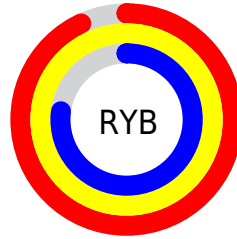
Distribution



Red (100%)

Green (91%)

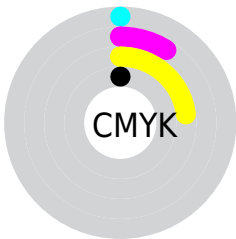
Blue (77%)



Red (93%)

Yellow (100%)

Blue (77%)

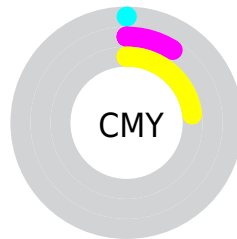


Cyan (0%)

Magenta (9%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.7797, 82.3974, 63.9240 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 79.7797, 82.3974, 63.9240 by changing the saturation by 10% instead.


 79.7797, 82.3974,
63.9240

 79.7797, 82.3974,
63.9240

482.9379,
502.9760, 457.1151

 59.8449, 61.6932,
46.1433

132.0081,
136.7312, 112.0999

 43.5426, 44.7848,
32.0095


165.0325,
171.1295, 143.3322

 30.5075, 31.2880,
21.1038


203.1507,
210.8612, 179.8855

 20.3741, 20.8182,
13.0079

246.7282,
256.3109, 222.1782

 12.7771, 12.9912,
7.3032

296.1303,
307.8628, 270.6290

 7.3512, 7.4225,
3.5711

351.7224,

 3.7309, 3.7277,

365.9013, 325.6564

1.3932

413.8699,
430.8109, 387.6789

■ 1.5511, 1.5224,
0.1364

■ 0.3602, 0.3044,
0.0000

■ 79.7797, 82.3974,
63.9240

■ 79.7797, 82.3974,
63.9240

■ 74.3037, 75.7022,
48.9754

■ 85.9251, 89.6412,
81.5315

■ 69.4632, 69.5289,
36.5481

■ 92.7599, 97.4377,
101.9156

■ 65.2300, 63.8640,
26.5002

95.0500, 100.0000,
108.9000

■ 61.5712, 58.6896,
18.6732

■ 58.4498, 53.9856,
12.8891

■ 55.8239, 49.7301,
8.9423

■ 53.6427, 45.8971,
6.5829

■ 52.3543, 43.4886,
5.6348

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7655, 82.3974, 68.7766



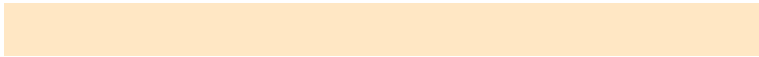
79.7797, 82.3974, 63.9240



74.6154, 82.3974, 65.3463

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.7797, 82.3974, 63.9240



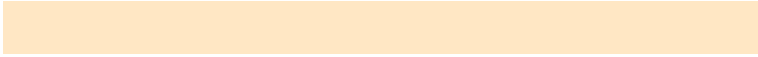
69.2665, 82.3974, 100.9240



86.5578, 82.3974, 108.9304

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



79.7797, 82.3974, 63.9240



66.4074, 70.1400, 104.6461

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.1375, 82.3974, 119.4986



79.7797, 82.3974, 63.9240



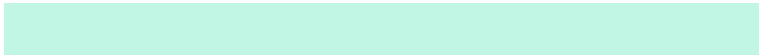
72.2027, 82.3974, 114.5267

Square

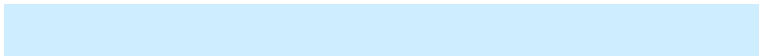
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7797, 82.3974, 63.9240



68.6986, 82.3974, 85.6155



76.8708, 82.3974, 121.6539



88.7921, 82.3974, 93.9469

Rectangle

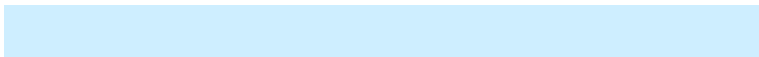
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.7797, 82.3974, 63.9240



71.7520, 82.3974, 69.7408



76.8708, 82.3974, 121.6539



85.2691, 82.3974, 113.1836

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



79.7817, 82.4011, 63.9257



90.0357, 94.3587, 93.7034



73.9762, 65.9390, 76.9452



19.1823, 20.0953, 19.7900



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7817, 82.4011, 63.9257



77.0361, 79.0764, 56.3309



85.1783, 95.8450, 66.2362



18.9054, 19.7791, 18.9657



27.5067, 23.0246, 2.9944



2.7856, 2.4566, 0.3274

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



66.4074, 70.1400, 104.6461



61.4246, 64.7672, 103.8716



61.8558, 59.1069, 102.7564



17.6095, 18.5906, 22.9102



12.1402, 9.1899, 50.5686



1.2861, 1.1028, 4.9584

Previews

White Background



This preview shows how the XYZ color 79.7797, 82.3974, 63.9240 looks on a white background.

Color Contrast Check

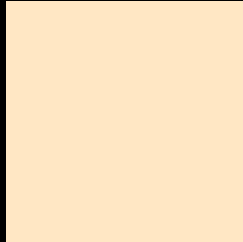
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 79.7797, 82.3974, 63.9240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

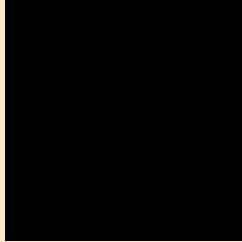
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.7797, 82.3974, 63.9240

Background



This preview shows how black text looks on a background with the XYZ color 79.7797, 82.3974, 63.9240.



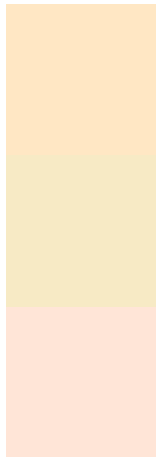
This preview shows how white text looks on a background with the XYZ color 79.7797, 82.3974,

63.9240.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

79.7797, 82.3974, 63.9240

Protanopia

77.8586, 82.6510, 64.6730

Deuteranopia

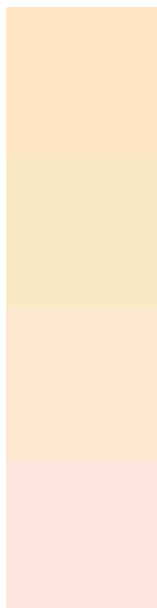
81.5251, 82.2049, 75.8603



Tritanopia

84.4373, 82.4894, 93.9098

Trichromacy



Original Color

79.7797, 82.3974, 63.9240

Protanomaly

78.6413, 82.6330, 64.6283

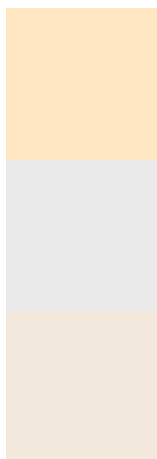
Deuteranomaly

80.9220, 82.4077, 71.3157

Tritanomaly

82.4379, 82.1286, 82.0285

Monochromacy



Original Color

79.7797, 82.3974, 63.9240

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.6751, 82.3224, 79.4533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.7797, 82.3974, 63.9240 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 231, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 196)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 231, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 196) }
```

Border

The CSS property to change the border of an element to XYZ 79.7797, 82.3974, 63.9240 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 231, 196) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 231, 196) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 231, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 79.7797, 82.3974, 63.9240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 196) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
231, 196) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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